

# THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE

## CONTENTS

	Page
PREFACE.....	xiii
<b>CHAPTER 1 THE ROLE OF THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE</b>	
Section I. Battalion and Task Force Mission Essential Tasks.....	1-1
1-1. Battalion Task Force Mission Essential Task Development .....	1-1
1-2. Operational Environment.....	1-2
1-3. Full-Spectrum Operations.....	1-5
Section II. Operational Framework .....	1-6
1-4. Area of Operations.....	1-6
1-5. Area of Interest .....	1-6
1-6. Battlespace .....	1-7
1-7. Battlefield Organization.....	1-7
1-8. Decisive Operations.....	1-8
1-9. Shaping Operations.....	1-8
1-10. Sustaining Operations.....	1-9
1-11. Main Effort .....	1-9
<b>CHAPTER 2 ORGANIZATION AND CAPABILITIES</b>	
Section I. Organization, Capabilities, and Limitations .....	2-1
2-1. Organization.....	2-1
2-2. Capabilities .....	2-4
2-3. Limitations .....	2-4
2-4. Task Force Battlefield Focus .....	2-4
Section II. Duties and Responsibilities of Key Personnel.....	2-5
2-5. Task Force Commander.....	2-5
2-6. Personal Staff Group.....	2-5
2-7. Coordinating Staff and Organizations .....	2-6

DISTRIBUTION RESTRICTION: Approved for public release, distribution is unlimited.

\*This publication supersedes FM 71-2, dated 27 September 1988.

2-8.	The Headquarters and Headquarters Company Commander and the Forward Support Company Commander in Force XXI Organizations .....	2-15
2-9.	Company Team Commanders .....	2-15
2-10.	Scout Platoon Leader.....	2-16
2-11.	Mortar Platoon Leader .....	2-16
2-12.	Special Staff.....	2-16
<b>CHAPTER 3 BATTLE COMMAND</b>		
Section	I. The Art of Command .....	3-1
	3-1. Role of the Commander.....	3-1
	3-2. Mission Command.....	3-1
	3-3. Location of the Commander .....	3-2
	3-4. Combining the Art of Command and the Science of Control .....	3-3
Section	II. Command and Control.....	3-5
	3-5. The Command and Control System.....	3-5
	3-6. Digitation and the C2 System.....	3-6
	3-7. Exercising Command and Control.....	3-6
	3-8. Distribution of Task Force Command and Control .....	3-7
Section	III. Planning for Operations .....	3-9
	3-9. Information Systems Enhancement to Decision-Making .....	3-9
	3-10. The Military Decision-Making Process.....	3-11
	3-11. Roles of the Commander and Executive Officer .....	3-12
	3-12. The Role of Intelligence, Surveillance, and Reconnaissance .	3-13
Section	IV. The Military Decision-Making Process .....	3-13
	3-13. Receipt of Mission .....	3-14
	3-14. Mission Analysis .....	3-14
	3-15. Course of Action Development .....	3-15
	3-16. Course of Action Analysis (War Game).....	3-15
	3-17. Course of Action Comparison .....	3-15
	3-18. Course of Action Approval.....	3-15
	3-19. Orders Production .....	3-15
	3-20. Decision-Making in a Time-Constrained Environment.....	3-15
Section	V. Preparing for Operations.....	3-22
	3-21. Intelligence, Surveillance, and Reconnaissance Operations... 3-22	3-22
	3-22. Security .....	3-23
	3-23. Force Protection.....	3-23
	3-24. Plan Revision and Refinement.....	3-23
	3-25. Coordination and Liaison.....	3-23
	3-26. Rehearsals .....	3-24
Section	VI. Execution .....	3-24
	3-27. The Command and Control System During Execution .....	3-24
	3-28. Adapting to Changes.....	3-25
	3-29. Assessment.....	3-25

	Page
3-30. Decisions.....	3-26
3-31. Directing Action .....	3-28
3-32. Training and Performance .....	3-28
<b>CHAPTER 4 INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE OPERATIONS</b>	
Section I. Fundamentals of Information Collection Management .....	4-1
4-1. Collection Management.....	4-2
4-2. Tiers of Reconnaissance .....	4-7
4-3. Reconnaissance Operations .....	4-8
4-4. Reconnaissance Guidance.....	4-9
4-5. Forms of Reconnaissance .....	4-11
4-6. Intelligence, Surveillance, Reconnaissance Order Development.....	4-12
4-7. Intelligence, Surveillance, Reconnaissance Overlay .....	4-14
4-8. Enemy Situation Template.....	4-15
4-9. Terrain Management.....	4-16
Section II. Security Operations.....	4-17
4-10. Screen.....	4-17
4-11. Guard .....	4-18
4-12. Area Security .....	4-22
4-13. Cover.....	4-22
Section III. Reconnaissance.....	4-22
4-14. Task Force Reconnaissance and Surveillance .....	4-23
4-15. Fundamentals .....	4-23
4-16. Capabilities .....	4-25
4-17. Integration of Brigade Reconnaissance Troop and Task Force Scout Platoons .....	4-26
4-18. Supporting Assets Normally Available to Task Force .....	4-28
<b>CHAPTER 5 OFFENSIVE OPERATIONS</b>	
Section I. Fundamentals of Offensive Operations .....	5-1
5-1. Characteristics of Offensive Operations .....	5-1
5-2. Contact Continuum .....	5-2
5-3. Organization of Offensive Operations.....	5-3
Section II. Forms of Maneuver.....	5-7
5-4. Envelopment .....	5-7
5-5. Penetration .....	5-9
5-6. Turning Movement .....	5-10
5-7. Infiltration .....	5-11
5-8. Frontal Attack .....	5-13
5-9. Sequence of Offensive Operations .....	5-14
5-10. Movement Techniques and Formations.....	5-15
Section III. Types of Offensive Operations .....	5-20
5-11. Movement to Contact.....	5-20

	Page
5-12.	Approach March Technique ..... 5-22
5-13.	Integration of CS and CSS Elements ..... 5-24
5-14.	Planning ..... 5-26
5-15.	Execution ..... 5-31
5-16.	Attacks ..... 5-34
5-17.	Characteristics of the Attack ..... 5-35
5-18.	Force-Oriented Attack against a Stationary Enemy Force ..... 5-35
5-19.	Force-Oriented Attack against a Moving Enemy Force ..... 5-43
5-20.	Terrain-Oriented Attacks ..... 5-50
5-21.	Exploitation ..... 5-51
5-22.	Pursuit ..... 5-52
5-23.	Special Purpose Attacks ..... 5-52
Section      IV.	Transition Operations ..... 5-55
5-24.	Consolidation ..... 5-55
5-25.	Reorganization ..... 5-55
5-26.	Continuing Operations ..... 5-56
5-27.	Defend ..... 5-56

## **CHAPTER 6 DEFENSIVE OPERATIONS**

Section      I.	Fundamentals of the Defense ..... 6-1
6-1.	Purpose of the Defense ..... 6-1
6-2.	Organization of Defensive Actions ..... 6-1
6-3.	Characteristics of the Defense ..... 6-3
Section      II.	Types of Defensive Operations ..... 6-5
6-4.	Area Defense ..... 6-5
6-5.	Mobile Defense ..... 6-19
6-6.	Retrograde Operations ..... 6-19
6-7.	Delay ..... 6-20
6-8.	Delay Organization ..... 6-21
6-9.	Delay Planning Considerations ..... 6-21
6-10.	Delay Scheme of Maneuver ..... 6-22
6-11.	Maximizing the Use of Terrain in a Delay ..... 6-23
6-12.	Forcing the Enemy to Deploy and Maneuver in a Delay ..... 6-23
6-13.	Avoiding Decisive Engagement in a Delay ..... 6-23
6-14.	Parameters of the Delay Order ..... 6-24
6-15.	Alternate and Subsequent Positions in a Delay ..... 6-25
6-16.	Fire Support in a Delay ..... 6-27
6-17.	Engineer Support in a Delay ..... 6-28
6-18.	Air Defense Support in a Delay ..... 6-28
6-19.	Nuclear, Biological, and Chemical Support in a Delay ..... 6-28
6-20.	Combat Service Support in a Delay ..... 6-28
6-21.	Delay Preparations ..... 6-29
6-22.	Execution of a Delay ..... 6-30
6-23.	Withdrawal ..... 6-32
6-24.	Withdrawal Organization ..... 6-32

	Page
6-25.	Withdrawal Planning Considerations ..... 6-34
6-26.	Withdrawal Scheme of Maneuver ..... 6-34
6-27.	Withdrawal Preparation ..... 6-35
6-28.	Withdrawal Execution ..... 6-35
6-29.	Concealing the Withdrawal ..... 6-36
6-30.	Disengagement in a Withdrawal ..... 6-36
6-31.	Actions on Contact in a Withdrawal ..... 6-36
6-32.	Terminating the Withdrawal ..... 6-36
6-33.	Retirement ..... 6-37
Section III.	Defensive Planning Considerations ..... 6-37
6-34	Defensive Planning ..... 6-37
6-35.	Intelligence Preparation of the Battlefield ..... 6-38
6-36.	Reserve ..... 6-40
Section IV.	Sequence of the Defense ..... 6-41
6-37.	Occupation and Establishment of Security ..... 6-42
6-38.	Preparation and Continued Security Operations ..... 6-42
6-39.	Security Area Engagement ..... 6-42
6-40.	Main Battle Area Engagement ..... 6-43
6-41.	Follow-On Missions ..... 6-44
Section V.	Defensive Techniques ..... 6-44
6-42.	Defense of an Area of Operations ..... 6-44
6-43.	Defense from a Battle Position ..... 6-47
6-44.	Reverse Slope Defense ..... 6-49
6-45.	Defense of a Strongpoint ..... 6-51
6-46.	Perimeter Defense ..... 6-56
6-47.	Counterattack ..... 6-58
Section VI.	Countermobility, Mobility, and Survivability Integration ..... 6-61
6-48.	Countermobility ..... 6-61
6-49.	Survivability ..... 6-66

## **CHAPTER 7 URBAN OPERATIONS**

Section I.	Introduction ..... 7-1
7-1.	General Considerations of Urban Operations ..... 7-1
7-2.	Armor and Mechanized Forces Role in Urban Operations ..... 7-2
7-3.	Tactical Challenges ..... 7-2
Section II.	Mission, Enemy, Terrain and Weather, Troops and Support Available, Time Available, and Civil Considerations (METT-TC) ..... 7-3
7-4.	Mission ..... 7-4
7-5.	Enemy ..... 7-4
7-6.	Urban Mapping ..... 7-7
7-7.	Terrain and Weather ..... 7-11
7-8.	Troops ..... 7-14
7-9.	Time ..... 7-15
7-10.	Civil Considerations ..... 7-15

	Page	
Section	III. Controlling Operations.....	7-16
	7-11. Enemy Focus.....	7-16
	7-12. Commander's Critical Information Requirements .....	7-17
	7-13. Task-Organization of Units to Accomplish Specific Tasks.....	7-17
	7-14. Rehearsals .....	7-18
	7-15. Fire Support .....	7-19
	7-16. Field Artillery .....	7-19
	7-17. Mortars.....	7-21
	7-18. Communications .....	7-21
	7-19. Weapons Effects .....	7-21
Section	IV. Offensive Operations .....	7-22
	7-20. Offensive Framework .....	7-23
	7-21. Types of Attack during Urban Offensive Operations .....	7-23
	7-22. Transition.....	7-27
	7-23. Movement to Contact.....	7-28
	7-24. Attack of a Village.....	7-29
	7-25. Nodal Attack.....	7-29
Section	V. Defensive Operations.....	7-31
	7-26. Defensive Framework.....	7-31
	7-27. Defensive Planning.....	7-32
	7-28. Integrating the Urban Area into the Defense.....	7-33
	7-29. Nodal Defense.....	7-34
	7-30. Delay.....	7-36

**CHAPTER 8 STABILITY OPERATIONS AND SUPPORT OPERATIONS**

Section	I. Stability Operations .....	8-1
	8-1. Purpose.....	8-1
	8-2. Types of Stability Operations .....	8-3
	8-3. Peace Operations.....	8-3
	8-4. Foreign Internal Defense .....	8-5
	8-5. Security Assistance.....	8-6
	8-6. Humanitarian and Civic Assistance.....	8-6
	8-7. Support to Insurgency.....	8-6
	8-8. Support to Counterinsurgency .....	8-6
	8-9. Support to Counterdrug Operations.....	8-6
	8-10. Combating Terrorism.....	8-6
	8-11. Noncombatant Evacuation Operations .....	8-7
	8-12. Arms Control .....	8-8
	8-13. Show of Force.....	8-8
	8-14. Planning Considerations .....	8-9
	8-15. Decentralized Operations.....	8-9
	8-16. Rules of Engagement.....	8-9
	8-17. Rules of Interaction.....	8-10
	8-18. Force Protection.....	8-11

	Page	
8-19.	Task Organization.....	8-12
8-20.	Media Considerations .....	8-12
8-21.	Operations with Outside Agencies .....	8-13
8-22.	Specific Considerations by BOS.....	8-13
8-23.	Intelligence.....	8-14
8-24.	Maneuver .....	8-16
8-25.	Aviation Support.....	8-16
8-26.	Fire Support .....	8-17
8-27.	Mobility and Survivability.....	8-17
8-28.	Air Defense .....	8-18
8-29.	Combat Service Support .....	8-18
8-30.	Command and Control Information Systems .....	8-19
8-31.	Techniques.....	8-20
8-32.	Presence Patrols .....	8-20
8-33.	Observation Posts .....	8-20
8-34.	Providing Security for Indigenous Authorities.....	8-21
8-35.	Static Security Posts.....	8-22
8-36.	Searches .....	8-23
8-37.	Roadblocks and Other Checkpoints.....	8-28
8-38.	React to Civil Disturbance .....	8-30
Section II.	Support Operations .....	8-30
8-39.	Types of Support Operations .....	8-30
8-40.	The Army's Role in Support Operations .....	8-31
8-41.	Forms of Support Operations.....	8-32
8-42.	Planning Considerations .....	8-34
8-43.	Considerations for Support Operations.....	8-35
8-44.	Planning Process.....	8-35
8-45.	Command and Control.....	8-36
8-46.	Maneuver .....	8-37
8-47.	Intelligence.....	8-37
8-48.	Intelligence, Surveillance, and Reconnaissance .....	8-37
8-49.	Fire Support .....	8-37
8-50.	Mobility and Survivability.....	8-38
8-51.	Air Defense .....	8-38
8-52.	Combat Service Support .....	8-38
8-53.	Information Operations.....	8-39
8-54.	Other Planning Considerations .....	8-39
8-55.	Pattern of Operations .....	8-40
8-56.	Sequence of Operations .....	8-42
8-57.	Transition to Combat .....	8-44
8-58.	Training Considerations.....	8-44
8-59.	Training for Support Operations.....	8-44
8-60.	Domestic Support Operations- or Foreign Humanitarian Assistance-Specific Training .....	8-45
8-61.	Additional Requirements .....	8-46

**CHAPTER 9 COMBAT SUPPORT OPERATIONS**

Section	Page
I.	9-1
I. Fire Support.....	9-1
9-1. Fires .....	9-1
9-2. Fire Support Organizations .....	9-2
9-3. Fire Support Planning and Coordination.....	9-3
9-4. Essential Fire Support Tasks .....	9-6
9-5. Scheme of Fires .....	9-8
9-6. Quick Fire Planning.....	9-8
9-7. Observation Planning .....	9-10
9-8. Top-Down Fire Planning.....	9-12
9-9. Battle Damage Assessment .....	9-13
9-10. Fire Support Coordination.....	9-14
9-11. Rehearsals.....	9-15
9-12. Clearance of Fires.....	9-17
9-13. AFATDS and Clearance of Fires .....	9-18
9-14. FBCB2 and Clearance of Fires.....	9-19
9-15. Radar Zones.....	9-19
9-16. Fire Support Assets .....	9-21
9-17. Mortars .....	9-24
9-18. Mortars in the Task Force Close Fight.....	9-27
9-19. Close Air Support.....	9-28
9-20. Army Aviation.....	9-28
9-21. FBCB2-Generated Fire Missions .....	9-28
II.	9-30
II. Close Air Support.....	9-30
9-22. Missions.....	9-30
9-23. Planning Considerations.....	9-32
9-24. Air Force Support.....	9-32
9-25. Close Air Support Planning Duties and Responsibilities .....	9-33
9-26. Suppression of Enemy Air Defense .....	9-35
9-27. Weather .....	9-36
III.	9-36
III. Engineers .....	9-36
9-28. Battalion Planning for Maneuver Support.....	9-36
9-29. Mobility .....	9-38
9-30. Countermobility.....	9-39
9-31. Survivability .....	9-39
9-32. General Engineering.....	9-39
9-33. Geospatial Engineering .....	9-39
9-34. Engineer Battalion.....	9-39
9-35. Engineer Company .....	9-40
9-36. Combat Engineer (Sapper) Platoon.....	9-41
9-37. Assault and Obstacle Platoon .....	9-41
9-38. Engineer Assets .....	9-42
9-39. SCATMINE Capabilities .....	9-43
9-40. SCATMINE Limitations .....	9-44
9-41. Command and Control of SCATMINES .....	9-45

	Page
Section	IV. Air Defense Support..... 9-46 9-42. Mission ..... 9-47 9-43. Organizations..... 9-47 9-44. Air Defense Planning Considerations .....           9-48 9-45. Air Defense Officer Duties..... 9-50 9-46. Offensive Considerations .....           9-51 9-47. Defensive Considerations..... 9-51 9-48. Air Defense Types..... 9-51 9-49. Air Defense Warnings and Weapons Control Status .....           9-51 9-50. Air Defense Assets .....           9-52

**CHAPTER 10 COMBAT SERVICE SUPPORT**

Section	I. Combat Service Support Functions and Organization .....           10-1 10-1. Overview .....           10-1 10-2. Combat Service Support Responsibilities .....           10-3 10-3. The Headquarters and Headquarters Company (AOE) .....           10-7 10-4. The Force XXI Forward Support Company .....           10-9 10-5. Forward Support Company Organization .....           10-12
Section	II. Combat Service Support Operations .....           10-13 10-6. Arm (Class V) .....           10-13 10-7. Fuel (Class III, Bulk)..... 10-14 10-8. Fix..... 10-15 10-9. Move..... 10-17 10-10. Sustain .....           10-18 10-11. Man..... 10-24
Section	III. Combat Service Support Planning .....           10-26 10-12. Planning Overview .....           10-27 10-13. Logistics Estimate .....           10-28 10-14. Supporting Offensive Operations .....           10-29 10-15. Supporting Defensive Operations .....           10-32 10-16. Echelon of the Trains .....           10-34 10-17. Movement of the Trains .....           10-36 10-18. LOGPAC Operations .....           10-37 10-19. Trains and FSC Security..... 10-40 10-20. Command and Control .....           10-40 10-21. Communications..... 10-41
Section	IV. Reconstitution..... 10-41 10-22. Reorganization..... 10-41 10-23. Regeneration..... 10-42

**CHAPTER 11 COMMAND POST OPERATIONS**

Section	I. Command and Control Facilities .....           11-1 11-1. Command Group..... 11-1 11-2. Main Command Post .....           11-2 11-3. Combat Trains Command Post..... 11-2
---------	---

	11-4. Task Force Support Area Command Post (Force XXI)/Field Trains Command Post (AOE).....	11-3
	11-5. Command Post Survivability .....	11-4
	11-6. Displacement .....	11-5
Section	II. Command Post Operations .....	11-5
	11-7. Standing Operating Procedures .....	11-5
	11-8. Communications .....	11-6
	11-9. Maps.....	11-6
	11-10. The Battle Captain .....	11-6
Section	III. Communication.....	11-7
	11-11. Responsibilities.....	11-8
	11-12. Means of Communications .....	11-8
	11-13. Communications Security.....	11-10
Section	IV. Communications Systems.....	11-11
	11-14. Combat Net Radio .....	11-11
	11-15. Army Command User System.....	11-12
	11-16. Army Data Distribution System .....	11-12
	11-17. The Digital Battlefield .....	11-12
	11-18. Tactical Internet .....	11-12
	11-19. Force XXI Battle Command Brigade and Below .....	11-13
	11-20. Enhanced Position Location Reporting System with Very High Speed Integrated Circuits.....	11-14
	11-21. Responsibilities.....	11-14
Section	V. Digital Command and Control Systems and Architecture.....	11-15
	11-22. Army Battle Command System Components .....	11-15
	11-23. Digital Command and Control Techniques .....	11-17
	11-24. Standing Operating Procedure Considerations .....	11-22
	11-25. Integrating Digital and Analog Units.....	11-24

## **CHAPTER 12 TACTICAL ENABLING OPERATIONS**

Section	I. Relief Operations .....	12-1
	12-1. Planning Considerations .....	12-1
	12-2. Conducting the Relief .....	12-2
	12-3. Command and Control.....	12-3
Section	II. Security Operations.....	12-3
	12-4. Screen.....	12-3
	12-5. Guard .....	12-5
	12-6. Area Security .....	12-8
	12-7. Cover.....	12-8
Section	III. Battle Handover and Passage of Lines .....	12-9
	12-8. Battle Handover .....	12-9
	12-9. Passage of Lines.....	12-10
	12-10. Forward Passage of Lines .....	12-14
	12-11. Rearward Passage of Lines .....	12-15
	12-12. Rehearsal.....	12-15

	Page
Section IV.	Linkup Operations ..... 12-16
12-13. Control during Linkup Operations.....	12-16
12-14. Forms of Linkup .....	12-16
Section V.	River Crossing Operations..... 12-21
12-15. General Considerations.....	12-21
12-16. Assault of the Crossing Site.....	12-22
Section VI.	Combined Arms Breaching Operations..... 12-24
12-17. Breach Tenets .....	12-24
12-18. Combined Arms Breach during Deliberate Operations.....	12-28
12-19. Combined Arms Breach during Hasty Operations .....	12-31
Section VII.	Tactical Road March..... 12-34
12-20. March Elements .....	12-35
12-21. March Column Organization .....	12-35
12-22. Techniques.....	12-36
12-23. Planning Considerations .....	12-37
12-24. Movement Order.....	12-37
12-25. Control Measures.....	12-37
12-26. Security .....	12-39
Section VIII.	Assembly Area Operations ..... 12-40
12-27. Assembly Areas .....	12-40
12-28. Organization.....	12-41
12-29. Quartering Party.....	12-41
12-30. Occupation.....	12-44
12-31. Actions in the Assembly Area .....	12-45
12-32. Security .....	12-46
12-33. Departure from the Assembly Area .....	12-47
<b>APPENDIX A INTEGRATION OF HEAVY AND LIGHT FORCES</b>	<b>A-1</b>
<b>APPENDIX B AVIATION SUPPORT TO GROUND OPERATIONS</b>	<b>B-1</b>
<b>APPENDIX C OPERATIONS IN NUCLEAR, BIOLOGICAL, AND CHEMICAL CONDITIONS</b>	<b>C-1</b>
<b>APPENDIX D RISK MANAGEMENT AND FRATRICIDE AVOIDANCE</b>	<b>D-1</b>
<b>APPENDIX E ENVIRONMENTAL CONSIDERATIONS</b>	<b>E-1</b>
<b>APPENDIX F SNIPER EMPLOYMENT</b>	<b>F-1</b>
<b>APPENDIX G FIRES INTEGRATION</b>	<b>G-1</b>
<b>APPENDIX H. DEPLOYMENT</b>	<b>H-1</b>
<b>APPENDIX I. PLANNING AND OPERATIONS CHARTS</b>	<b>I-1</b>
<b>APPENDIX J AIR ASSAULT OPERATIONS</b>	<b>J-1</b>
<b>GLOSSARY</b>	<b>Glossary-1</b>
<b>REFERENCES</b>	<b>References-1</b>
<b>INDEX</b>	<b>Index-1</b>